

Claims

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5 1. An electronic device (1), which preferably comprises at least a keyboard (4), which keyboard comprises at least one key (15a, 15b) for controlling the functions of the electronic device (1), which keyboard (4) is arranged as a keyboard plate (16), **characterized** in that said keyboard (4) also comprises a touch sensitive element (19), that said keyboard plate (16) is arranged as fixed over the touch sensitive element (19) so that the depression of a key is arranged to be transmitted to the touch sensitive element essentially at the point of the key (15a, 15b), and that the electronic device (1) comprises means (21, 22b) for determining the point of depression in the touch sensitive element (19), whereby it is arranged to be determined on the basis of the determined point of depression which key (15a, 15b) has been depressed.

10 2. An electronic device (1) according to claim 1, **characterized** in that the keyboard plate (16) is a keyboard mat.

15 3. An electronic device (1) according to claim 1, **characterized** in that the keyboard plate (16) is a bubble membrane.

20 4. An electronic device (1) according to any one of the claims 1, 2 or 3, **characterized** in that it comprises a sliding keyboard element (3), in which the keyboard (4) is disposed.

25 5. An electronic device (1) according to claim 4, which comprises at least one body housing element (2), **characterized** in that the keyboard element (3), which has a first and a second extreme position, is arranged as sliding between the first and the second extreme position, and in the first extreme position the keyboard element (3) is preferably under the body housing element (2) so that the keyboard (4) is at least partly invisible, and in the second extreme position the keyboard element (3) is preferably so that the keyboard (4) is essentially entirely exposed.

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6. An electronic device (1) according to any one of the claims 1, 2 or 3, which comprises at least one body housing element (2), characterized in that it comprises a keyboard element (3) arranged as turning in relation to the body housing element (2), in which keyboard element the keyboard (4) is disposed.

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7. An electronic device (1) according to claim 6, characterized in that the keyboard element (3), which has a first and a second extreme position, is arranged as turning between the first and the second extreme position, and in the first extreme position the keyboard element (3) is preferably placed over the body housing element (2) so that the keyboard element (3) functions as protection for the display (5) and the keyboard (4) is at least partly invisible, and in the second extreme position the keyboard element is preferably so that the keyboard (4) and the display (5) are essentially entirely exposed.

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8. An electronic device (1) according to claim 7, characterized in that another display (24) and another keyboard (25) are arranged in it for activating one or more functions of the electronic device (1) preferably when the keyboard element (3) is in said first extreme position.

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9. A method for recognizing the depression of a key (15a, 15b) of the keyboard (4) of an electronic device (1), which keyboard (4) is used for controlling the functions of the electronic device (1), in which method the keys are formed into a keyboard plate (16), characterized in that the keyboard (4) is formed of a touch sensitive element (19), over which the keyboard plate (16) is arranged as fixed so that the depression of a key is transmitted to the touch sensitive element (19) essentially at the point of a key (15a, 15b), and that the point of depression in the touch sensitive element (19) is determined in the electronic device (1), whereby on the basis of the determined point of depression it is determined which key (15a, 15b) has been depressed.

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10. A method according to claim 9, **characterized** in that the electronic device (1) is provided with a sliding keyboard element (3), in which the keyboard (4) is disposed.

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11. A method according to claim 10, in which at least one body housing element (2) is formed in the electronic device, **characterized** in that the keyboard element (3), which has a first and a second extreme position, slides between the first and the second extreme position, and in the first extreme position the keyboard element (3) is preferably under the body housing element (2) so that the keyboard (4) is at least partly invisible, and in the second extreme position the keyboard element (3) is preferably so that the keyboard (4) is essentially entirely exposed.

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12. A method according to claim 9, in which the electronic device (1) is provided with at least one body housing element (2), **characterized** in that the implementation of the electronic device (1) includes a keyboard element (3) turning in relation to the body housing element (2), in which keyboard element the keyboard (4) is disposed.

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13. A method according to claim 12, **characterized** in that the keyboard element (3), which has a first and a second extreme position, turns between the first and the second extreme position, and in the first extreme position the keyboard element (3) is preferably placed over the body housing element (2) so that the keyboard element (3) functions as protection for the display (5) and the keyboard (4) is at least partly invisible, and in the second extreme position the keyboard element (3) is preferably so that the keyboard (4) and the display (5) are essentially entirely exposed.

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14. A method according to claim 13, **characterized** in that the electronic device (1) is provided with another display (24) and another keyboard (25) for activating one or more functions of the

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electronic device (1) preferably when the keyboard element (3) is in said first extreme position.

5 15. A keyboard (4) of an electronic device (1), which comprises at least one key (15a, 15b) for controlling the functions of the electronic device (1), which keyboard (4) is arranged as a keyboard plate (16), characterized in that said keyboard (4) also comprises a touch sensitive element (19), and that said keyboard plate (16) is arranged as fixed over the touch sensitive element (19) so that the depression of a key is arranged to be transmitted to the touch sensitive element essentially at the point of the key (15a, 15b), whereby it is arranged to be determined on the basis of the determined point of depression which key (15a, 15b) has been depressed.

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